

That which is claimed is:

1. A method, comprising:

receiving an input signal associated with a position of a handheld communication device;

5 determining the position of the handheld communication device relative to a predetermined location; and

providing a haptic effect associated with a distance between the position of the handheld communication device and the predetermined location.

10 2. The method of claim 1 wherein the input signal is received from one of a Global Position System and a digital compass.

3. The method of claim 1 wherein the haptic effect includes a vibration having a magnitude and a frequency, at least one of the magnitude and the frequency being associated with the distance between the position of the handheld communication device and the predetermined location.

15 4. The method of claim 3 wherein the at least one of the magnitude and the frequency decreases with the distance between the position of the handheld communication device and the predetermined location.

20 5. The method of claim 1 further comprising outputting a control signal associated with the determination to an actuator coupled to the handheld communication device, the control signal configured to cause the actuator to output the haptic effect.

6. A method, comprising:

sending a command signal to a remote device;

determining if a feedback signal is received from the remote device; and

providing a haptic effect associated with the determination.

25 7. The method of claim 6 further comprising providing a first haptic effect if a feedback signal is received from the remote device.

8. The method of claim 7 further comprising providing a second haptic effect if no feedback signal is received from the remote device.

9. A computer-readable medium on which is encoded program code, comprising:

30 program code for receiving a signal associated with a position of a handheld communication device;

program code for determining the position of the handheld communication device relative to a predetermined location; and

program code for providing a haptic feedback associated with a distance between the position of the handheld communication device and the predetermined location.

10. The computer-readable medium of claim 9 wherein the haptic effect includes a vibration having a magnitude and a frequency, at least one of the magnitude and the frequency being associated with the distance between the position of the handheld communication device and the predetermined location.

11. The computer-readable medium of claim 10 wherein the at least one of the magnitude and the frequency decreases with the distance between the position of the handheld communication device and the predetermined location.

12. The computer-readable medium of claim 9 further comprising program code for outputting a control signal associated with the determination to an actuator coupled to the handheld communication device, the control signal configured to cause the actuator to output the haptic effect.

13. A computer-readable medium on which is encoded program code, comprising:
program code for sending a command signal to a remote device;
program code for determining if a feedback signal is received from the remote device;
and

program code for providing a haptic effect associated with the determination.

14. The computer-readable medium of claim 13 further comprising program code for providing a first haptic effect if a feedback signal is received from the remote device.

15. The computer-readable medium of claim 14 further comprising program code for providing a second haptic effect if no feedback signal is received from the remote device.

16. A data stream embodied in a carrier signal, carrying instructions to:
receive a signal associated with a position of a handheld communication device;
determine the position of the handheld communication device relative to a predetermined location; and

provide a haptic effect associated with a distance between the position of the handheld communication device and the predetermined location.

17. A data stream embodied in a carrier signal, carrying instructions to:
send a command signal to a remote device;
determine if a feedback signal is received from the remote device; and
provide a haptic effect associated with the determination.

18. The apparatus, comprising:

means for receiving an input signal associated with a position of a handheld communication device;

means for determining the position of the handheld communication device relative to a predetermined location; and

means for providing a haptic effect associated with a distance between the position of the handheld communication device and the predetermined location.

19. The apparatus of claim 18 wherein means for providing includes an actuator coupled to the handheld communication device, the actuator configured to receive a control signal associated with the determination and output the haptic effect.

20. The apparatus of claim 18 wherein the haptic effect includes a vibration having a magnitude and a frequency, at least one of the magnitude and the frequency being associated with the distance between the position of the handheld communication device and the predetermined location.

21. The apparatus of claim 20 wherein the at least one of the magnitude and the frequency decreases with the distance between the position of the handheld communication device and the predetermined location.

22. The apparatus, comprising:

means for sending a command signal to a remote device;

means for determining if a feedback signal is received from the remote device; and

means for providing a haptic effect associated with the determination.

23. The apparatus of claim 22 wherein a first haptic effect is provided if a feedback signal is received from the remote device.

24. The apparatus of claim 23 wherein a second haptic effect is provided if no feedback signal is received from the remote device.

25. The apparatus of claim 22 is included in a handheld communication device.

26. The apparatus of claim 25 wherein means for providing a haptic effect includes an actuator coupled to the handheld communication device, the actuator configured to receive a control signal associated with the determination and output the haptic effect.